

What is claimed is:

1. A dishwasher comprising:
 - a door;
 - a washing tub closable by the door;
 - a water softener including an ion exchanger and a salt container, the salt container being disposed in an area of the door and being a flattened component including a first and a second side wall, a bottom, and narrow connecting walls, the salt container including a water inlet and a brine outlet; and
 - a first and a second dividing wall disposed in the salt container, the first dividing wall extending from the first side wall to the bottom and the second dividing wall extending from the second side wall to the bottom so as to divide the salt container into a water distribution duct including the water inlet, a salt chamber, and a brine collecting duct including the brine outlet, the first and second dividing walls each including a respective screen surface in a respective region of the respective dividing wall adjacent to the bottom, the screen surfaces being disposed a v-shape relative to each other, the screen surfaces separating the water inlet and a brine outlet from each other.
2. The dishwasher as recited in claim 1 wherein the first dividing wall includes a first support shoulder in a region of the first dividing wall adjacent to the first side wall and the second dividing wall includes a second support shoulder in a region of the second dividing wall adjacent to the second side wall.
3. The dishwasher as recited in claim 1 wherein each of the respective screen surfaces varies in height along the respective dividing wall.
4. The dishwasher as recited in claim 1 wherein at least one of the water distribution duct and the brine collecting duct includes a vent opening in a respective rear region as viewed in a respective direction of flow, the respective vent opening connecting the respective duct to ambient air via a respective vent line.

5. The dishwasher as recited in claim 4 wherein at least one of the water distribution duct and the brine collecting duct includes a respective air-guiding channel configured to slope upward toward the respective vent opening when the door is closed.

6. The dishwasher as recited in claim 5 wherein each of the respective dividing walls includes a support shoulder extending from the respective side wall, and further comprising a respective intermediate wall disposed between the respective support shoulder and the respective screen surface of the dividing wall and extending from the respective dividing wall to the respective side wall, the respective air-guiding channel being formed by the respective intermediate wall, a portion of the respective dividing wall, and the respective side wall.